SYSTEM AND METHOD FOR IONTOPHORETIC TRANSDERMAL DELIVERY OF ONE OR MORE THERAPEUTIC AGENTS

ABSTRACT

In one embodiment, a system for iontophoretic transdermal delivery of one or more therapeutic agents into a user's skin includes a first end including a first reservoir for containing one or more therapeutic agents, a second end including a second reservoir for containing one or more therapeutic agents, and a connecting portion coupling the first end to the second end. The connecting portion houses a self-contained power source for generating electric current, the power source having a first terminal and a second terminal. The connecting portion also houses: (1) at least a portion of a first electrode for electrically coupling the first terminal of the power source to the first reservoir, the first electrode operable to conduct electric current between the power source and the first reservoir to ionize the one or more therapeutic agents contained within the first reservoir for iontophoretic transdermal delivery into the user's skin; and (2) at least a portion of a second electrode for electrically coupling the second terminal of the power source to the second reservoir, the second electrode operable to conduct electric current between the power source and the second reservoir to ionize the one or more therapeutic agents contained within the second reservoir for iontophoretic transdermal delivery into the user's skin. The system is adapted to be used in an extended or non-extended state.